

METHOD OF MANUFACTURING A COLLIMATOR MANDREL HAVING VARIABLE ATTENUATION CHARACTERISTICS FOR A CT SYSTEM

Abstract

A method of manufacturing a collimator mandrel having variable attenuation characteristics is presented. The manufacturing process includes the placement of a layer of attenuating material on a core of base material. The layer of attenuating material is relatively thin and varies in thickness circumferentially around the core. The collimator mandrel may be manufactured by placing a cast about a core of non-attenuating material, filling a void between the cast and the core with an attenuating material, allowing the material to cure, and removing the cast from the assembly.